

FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF PATENT AND TRADE	F COMMERCE	ATTY. DOCKET NO. SERIAL NO.					
}				KCC-17,4	473	10/9	017,760		
	LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT(S) Young C. KO et al.					
		FEB 2 7 2002 (C)		FILING DATE	GROUP				
					nber 2001				
		U.S.	PATENT D	OCUMENTS		I			
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA		
_ ~ _	АА	3,849,241	11/1974	Butin et al.		,			
- 1	АВ	4,340,563	07/1982	Appel et al.					
	AC	3,692,618	09/1972	Dorschner et al.					
	AD	3,802,817	04/1974	Matsuki et al.					
	AE	3,338,992	08/1967	Kinney					
	AF	3,341,394	09/1967	Kinney					
	AG	3,502,763	03/1970	Hartmann					
	АН	3,502,538	03/1970	Petersen		Y			
	Al	3,542,615	11/1970	Dobo et al.					
	AJ	3,901,236	08/1975	Assarsson et al.					
1	AK	4,076,663	02/1978	Masuda et al.					
		FOREI	GN PATEN	DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL/ YES	ATION NO	
70	AL	719 531	07/1996	ЕРО			123	140	
1	АМ	729 336 ↓	06/1998	EPO					
	AN	98/51251	11/1998	PCT					
7	АО	95/13778	05/1995	РСТ		·		-	
P	AP	01/23177	04/2001	PCT			Abstract		
		OTHER PRIOR ART (In		<u> </u>	t Pages, Etc.)	· · · · · · · · · · · · · · · · · · ·			
	ΛĐ								
	AR T								
	AS								
	АТ								
EVANINED	<u> </u>			DATE OO	MOIDEDED	<u> </u>			
EXAMINER		Yan		DATE CO	NSIDERED	9/11/0	3	-	
*EXAMINER		itial if reference considered, whether or not considered. Include copy of this form wi			P 609; Draw	line through cita	tion if not		
						US	COMM-DC 8	0-3985	



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE			ATTY, DOCKET NO.	7. DOCKET NO. SERIAL NO.						
1					KCC-17,473 10/017,760					
1	LIST OF PRIOR ART CITED BY APPLICANT (Use several shoets) in recessary)				APPLICANT(S)					
į	7 2002				Young C. KO et al.					
	FEB 2 7 2002 8				GROUP					
		FRANCHINAS	14 Decemb	er 2001	1					
			PATENT D	OCUMENTS		•				
*EXAMINE	R	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D			
INITIAL	T AA	4,100,324	07/1978 Anderson et al.				IF AFFROE	NAIL		
1	AB	4,286,082	08/1981	Tsubakimoto et al.						
	AC	4,818,464	04/1989	Lau						
	AD	4,902,559	02/1990	Eschwey et al.						
	AE	5,350,624	09/1994	Georger et al.		/		,		
	AF	5,875,967	03/1999	Ruth, III Tsuchiya et al. Silverbrook						
	AG	5,962,068	10/1999			/				
	АН	6,019,457	02/2000							
1	AI	6,024,438	02/2000	Koike et al.						
	AJ	4,500,315	02/1985	Pieniak et al.						
70	AK	4,537,590	08/1985	Pieniak et al.						
		FORE	GN PATEN	T DOCUMENTS						
		DOCUMENT NUMBER	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION			
			DATE	COUNTRY	CLASS	SUBCLASS	YES	NO		
70	AL	00/55418	09/2000	PCT		7,	Abstract			
	AM									
	AN									
•	AO AP									
		OTHER PRIOR ART (In	L Including Author	I or. Title. Date. Pertinent F	Pages, Etc.)		1	<u> </u>		
•			<u></u>	,	-3,,					
	AR	AR								
	AS									
			-							
	АТ									
EXAMINER	2	Yan		DATE CON	SIDERED	9/11/13				
*EXAMINI		nitial if reference considered, whether or no			609; Draw	line through cita	tion if not			
III conforma	in conformance and not considered. Include copy of this form with next communication to applicant.									

EORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF PATENT AND TRADEM		ATTY. DOCKET NØ. SERIAL NO.							
			KCC-17,47	KCC-17,473 10/017,760							
LI	LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT(S)						
	Š	OIP	· ·	Young C. KO et al.							
		B 22 5		FILING DATE		GROUP					
27 2002 (5)				14 Decemb	er 2001						
		U.S.	PATENT D	OCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D				
45	AA	4,540,454	09/1985	Pieniak et al.							
• 1	АВ	4,559,050	12/1985	Iskra							
	AC	4,560,372	12/1985	Pieniak							
	AD	4,596,567	06/1986	Iskra							
	AE	4,605,402	08/1986	Iskra							
	AF	4,676,784	06/1987	Erdman et al.							
	AG	5,549,928	08/1996	Trokhan et al.		/					
	АН	5,674,478	10/1997	Dodd et al.	/	/					
	Al	5,821,179	10/1998	Masaki et al.	7						
1	AJ	6,022,610	02/2000	Phan et al.							
4	AK	6,086,950	07/2000	Masaki et al.							
		FOREIC	N PATENT	DOCUMENTS							
			DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION			
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO			
	AL										
	AM										
-	AN		-								
	AO										
	1.~'_	OTHER PRIOR ART (Inc	L Cludina Autho	or. Title. Date. Pertinent F	Pages, Etc.)			<u></u>			
				· · · · · · · · · · · · · · · · · · ·							
· - - -	AR										
	AS		·								
	АТ										
EXAMINER	<u></u>	Yao	. <u> </u>	DATE CON	SIDERED	9/11/0	}				
*EXAMINE		itial if reference considered, whether or not ot considered. Include copy of this form with			609; Draw	line through citat	ion if not				
in comornan	oc and fi	or considered. Include copy of this form with	THEAT COILIN	отповной то аррисант.		USC	COMM-DC 8	0-3985			

FORM PTO-1449 (MODIFIED)			U.S. DEPARTMENT O PATENT AND TRADE										
				KCC-17,473 10/017,760									
LIST OF PRIOR ART CITED BY APPLICANT				т	APPLICANT(S)								
	(Use several sheets if necessary)						Young C. KO et al.						
	MAR 1 7	FILING DATE	E		GROUP								
			A PARTY OF THE PAR	14 Decemb	er 2001								
			I TRADI	PATENT D	OCUMENTS								
*EXAMINER INITIAL			DOCUMENT NUMBER	DATE	NAMI		CLASS	SUBCLASS	FILING T	PRIATE			
9	AA		4,151,130	04/1979	Adams		260	17.4 GC G/	, 8	2/102			
1/20	АВ		4,888,238	12/1989	Katz et al.		428	378	OU,0,	, .			
The second	AC		5,300,565	04/1994	Berg et al.		525	54.2	′	100			
786	AD		5,489,469	02/1996	Kobayashi d	et al.	428	283					
700	AE		5,059,664	10/1991	Yada et al.		526	240					
	AF			<u></u>									
	AG			<u> </u>									
· -	АН												
	Al												
	AJ												
	AK	<u> </u>				•							
			FOREI	GN PATEN	L DOCUMEN.	тѕ							
•	DOCUMENT NUMBER DATE				COLINTRY	CLASS	SUBCLASS	TRANSL	ATION				
				DATE	COUNT	COUNTRY CLASS		SUBCLASS	YES	NO			
	AL		DE 199 05 947 A1	08/2000	Germany		A61L	15/60					
10	AM	ļ	EP 0 301 804 A2 🗸	02/1989	EPO		D04H	1/00		<u>'</u>			
As .	AN	<u> </u>	EP 0 301 804 A3	05/1990	EPO		D04H	1/56					
400	AO		EP 0 390 513 A2 '	10/1990	EPO		A61L	15/00					
- 20	AP	l	EP 0 390 513 A3	08/1991	EPO		A61L	15/00					
			OTHER PRIOR ART (In	ncluding Autho	or, Title, Date, F	Pertinent P	ages, Etc.)	· ·					
P	AR	J	English Translation of Abstrac	t and Claims	s 1-10 of JP 1	1-93073	A, Kao Cor	poration (2 pa	ges).				
		 			 								
	AS												
	АТ												
EXAMINER	<u> </u>		You	· · · · · ·	D	ATE CON	SIDERED	9/11	183				
*EXAMINER		itial if	reference considered, whether or no sidered. Include copy of this form w	t citation is in	conformance w	vith MPEP	609; Draw	line through cita	tion if not				
	o and III		site in the state of the state	HOAL OOHIII	оддол то ар	<u> </u>	····	US	COMM-DC 8	0-3985			

FORM PTO-1449 (MODIFIED)			COMMERCE IARK OFFICE	ATTY. DOCKET NO. KCC-17,473		SERIAL NO. 10/017,760			
LIST	LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		Signa	APPLICANT(S) Young C. KO et al.					
		MAR 1 7 2	003 E	FILING DATE 14 December 2001					
		THADE!	MARTIN			<u> </u>			
		U.S.		OCUMENTS	T av . a a	OLIBOLAGE	FILING D		
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROF		
	_AA		 		<u> </u>				
	AB				 				
	AC		 				B.		
	AD					CROUNT OUR	· CA		
	AE		 		1.	780,	(B)	LA	
	AF					UR	103	Ó	
	AG AH		-				1-0-		
	Al						0		
 	AJ								
	AK						<u> </u>		
	<u> </u>	FORE	IGN PATEN	T DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL YES	NO NO	
· Oe	AL	EP 0 402 650 A2	12/1990	EPO	A61L	15/22		ļ 	
	AM	EP 0 402 650 A3	11/1991	EPO	A61L	15/22			
7	AN	WO 99/34041	07/1999	PCT	D01F	6/36			
(2	AO	WO 01/56625 A2	08/2001	PCT	A61L	15/00			
P	AP	WO 01/56625 A3 √	08/2001	PCT	A61L	15/00	<u></u>		
		OTHER PRIOR ART (Including Aut	hor, Title, Date, Pertinen	t Pages, Etc	.)			
	AR								
		•							
	AS	<u>.</u>							
	АТ				 				
EXAMINER		Yan		DATE CO	ONSIDERED	9/11/2	3		
*EXAMINE	R: in	nitial if reference considered, whether or not considered. Include copy of this form	not citation is with next con	in conformance with MP nmunication to applicant	EP 609; Dra		ation if not	80-3985	

Sheet 2 of 2

							<u> </u>	<u> </u>		
FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF PATENT AND TRADE		ATTY. DO	OCKET NO.		SERIAL NO.			
				KCC-17,473 10/017,760						
LIST OF PRIOR ART CITED BY APPLICANT				APPLICANT(S)						
(Use several sheets if necessary)				APPLICANT(S) Young C. KO et al. FILING DATE 14 December 2001						
JUL 0 7 2	JUL 0 7 2003 🚫			FILING DATE			GROUP	% /\	OD,	
JOL U 7 2				14 December 2001						
TRADEMAS	IK C	U.S.	DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	N/	IAME	CLASS	SUBCLASS	FILING (IF APPRO		
AT .	AA	5,071,681	12/1991	Manning	et al.	427	392	IF AFFRO	FRIATE	
	AB	5,248,524	09/1993	Soderlur		427	200	<u>-</u>		
	AC	5,506,035	04/1996	Van Pha		428	196	<u>-</u>		
-20	AD	5,868,724	02/1999		s, Jr. et al.	604	368	_	·	
<i>C</i> .	AE				•					
	AF						· · · · · · · · · · · · · · · · · · ·			
···	AG									
	АН						_,			
	Al							- 10 - 12 - 1		
	AJ									
	AK									
		FOREIG	GN PATENT	L DOCUME	ENTS	•				
					TRANSL	ATION				
		DOCUMENT NUMBER	DATE	COL	JNTRY	CLASS	SUBCLASS	YES	NO	
8	AL	EP 0 290 814 A2	11/1988	EPO		C08F	20/06			
	AM									
	AN									
	AO									
	AP									
		OTHER PRIOR ART (In	cluding Autho	or, Title, Dat	e, Pertinent F	Pages, Etc.)				
	AR							<u>-</u>		
	AS									
	AT									
	Α1			 1						
EXAMINER					DATE CON	SIDERED				
*EXAMINER:		itial if reference considered, whether or not ot considered. Include copy of this form with				609; Draw i	_			
							USC	COMM-DC 8	0-3985	